

**To:** Terry, Robert[Terry.Robert@epa.gov]  
**From:** LEE, LILY  
**Sent:** Mon 5/2/2016 1:18:22 PM  
**Subject:** FW: Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?  
[09-2126455.pdf](#)  
[09-2140350.pdf](#)  
[09-2216003.pdf](#)  
[09-2226257.pdf](#)  
[09-2226304.pdf](#)  
[09-2227348.pdf](#)  
[09-2232718.pdf](#)  
[09-2232748.pdf](#)  
[09-2232765.pdf](#)

Dear Rob,

I'm in NARPM conference in Pittsburgh this wk. I can try to call you around 2 pm Pacific time today to check in. In the mean time. Here are the 3 questions that we had been interested in.  
Does this help?

Thank you for your help!

- Lily

Lily Lee

Cleanup Project Manager

Superfund Division

U.S. Environmental Protection Agency, Region 9

75 Hawthorne St. (SFD-8-3)

San Francisco, CA 94105

Tel: 415-947-4187, Fax: 415-947-3518

www.epa.gov/region9/superfund

**From:** LEE, LILY

**Sent:** Wednesday, April 27, 2016 8:21 AM

**To:** Terry, Robert <Terry.Robert@epa.gov>

**Cc:** Chesnutt, John <Chesnutt.John@epa.gov>

**Subject:** Do any of these attached contain documentation re original release criteria or of Ra-226 or Th-232 background levels?

Dear Rob,

Dan Hirsch asked the following:

1. Documentation re original release criteria & calculations using the then-current version of EPA PRG Calculator, including what risk level that represents
2. “The Hunters Point documents we have been reviewing indicate a remediation level for radium-226 of 1 pCi/g above background, not to exceed 2 pCi/g, “per agreement with EPA.”  
Could you send me documentation of that EPA agreement and its basis, and any risk assessment that was performed at the time of the risk associated with that level of radium? Also, I am having trouble locating the value being employed for radium background—could you let me know what value is being used and where I can find the source for it?”

We are interested in Thorium background levels.

Mark Ripperda thought these documents might contain information relevant to these questions. Could you please review these documents to see if they have information that addresses these questions? I'd appreciate it!

- Lily

Lily Lee

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San Francisco, CA 94105

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[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

**From:** ELATTAR, SARA

**Sent:** Thursday, April 21, 2016 8:42 AM

**To:** LEE, LILY <[LEE.LILY@EPA.GOV](mailto:LEE.LILY@EPA.GOV)>

**Cc:** HSG Circulation <[circulation@herndon-group.com](mailto:circulation@herndon-group.com)>

**Subject:** RE: Could I get these documents?

Good morning Lily,

No problem at all, I am glad to help out.

I have created DRF (Document Request form) on your behalf. Please see below:

|                                               | Requester | Doc Request # | Site Name                                     | Submitted  | Due Date   | Status     | Released | Request Type  |
|-----------------------------------------------|-----------|---------------|-----------------------------------------------|------------|------------|------------|----------|---------------|
| <a href="#">Notes</a><br><a href="#">Link</a> | LEE, L.   | 90421-0820    | TREASURE ISLAND<br>NAVAL STN<br>HUNTERS PT AN | 04/21/2016 | 04/27/2016 | In Process | No       | (Not Entered) |

As for the requested documents, 9 documents were found in PDF formate in SEMS. I will attach them within this email. Please see attachment.

The rest of the documents (2054332, 88184149, 2099768, 156344, 2054389, 2054392, 2089669, and 2089668) are located at the FRC and I have requested for their retrieval. Please note it can take from 3 to 4 days to arrive to the Records center,

You will be notified immediately of their arrival.

Please feel free to request as many documents as necessary! ☺

Let me know if you need additional assistance.

Best,

Sara Elattar

Document Specialist

U.S. EPA R9 Regional Records Center

(415) 947-8717

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**From:** LEE, LILY  
**Sent:** Wednesday, April 20, 2016 9:35 PM  
**To:** ELATTAR, SARA <[Elattar.Sara@epa.gov](mailto:Elattar.Sara@epa.gov)>  
**Subject:** Could I get these documents?

Dear Sara

I'm so sorry to ask for so many this time. Could I please get these? I appreciate it!

- Lily

Lily Lee

Cleanup Project Manager

Superfund Division

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San Francisco, CA 94105

Tel: 415-947-4187, Fax: 415-947-3518

[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)

**From:** Ripperda, Mark  
**Sent:** Wednesday, April 20, 2016 11:38 AM  
**To:** LEE, LILY <[LEE.LILY@EPA.GOV](mailto:LEE.LILY@EPA.GOV)>  
**Subject:** RE: Got 2 of these 2153266, 2229254, and 2232762

The missing cleanup goal information is between the 2001 Action Memo which sets a cleanup

goal of 5pCi/g above background and the 2006 Action Memo which sets 1 pCi/g above background, per communication with EPA. So here's a list of what I see that might contain it (I'm guessing that the last three in the list have the best chance of documenting the agreement):

|          |            |                                                                                                                                                                                                                                   |                                                                                                   |
|----------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 2054332  | 4/12/2001  | Memo: Comments on radiological investigation & confirmation surveys conducted on 3/19/01, w/attchs (radiation)                                                                                                                    | Steve Dean /<br>Environmental<br>Protection Agency -<br>Region 9                                  |
| 88184149 | 4/12/2001  | Memo: Bldg 364 radiological contamination removal actions (radiation)                                                                                                                                                             | Steve Dean /<br>Environmental<br>Protection Agency -<br>Region 9                                  |
| 2099768  | 6/6/2002   | Ltr: Comments on Historical radiological assessment, v2 - use of general radioactive materials, 1939-2002 (3/29/02), w/TL to K Forman fr C Trombadore 6/6/02                                                                      | Environmental<br>Protection Agency -<br>Region 9                                                  |
| 156344   | 3/28/2003  | Radiological scanner van survey (9/9/02-9/12/02), w/TL (radiation)                                                                                                                                                                | Environmental<br>Protection Agency -<br>Radiation & Indoor<br>Environments<br>National Laboratory |
| 2126455  | 5/19/2003  | EPA responses to comments on draft historical radiological assessment, v 2, w/TL fr C Trombadore to K Forman                                                                                                                      | Environmental<br>Protection Agency -<br>Region 9                                                  |
| 2226304  | 4/27/2004  | Ltr: Transmits comments fr EPA & EPA contractor on draft final historical radiological assessment, v2, dated 2/04, w/attchs                                                                                                       | Michael Work /<br>Environmental<br>Protection Agency -<br>Region 9                                |
| 2227348  | 11/16/2004 | Comments on final historical radiological assessment & comments on response to comments on draft final historical radiological assessment, history of use of general radioactive materials (1939-2003) w/TL fr M Work to K Forman | Environmental<br>Protection Agency -<br>Region 9                                                  |

|         |           |                                                                                                                                                                           |                                                                                                                      |
|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 2216003 | 2/16/2005 | Basewide radiological workplan, w/apps A-B & w/o fig 2-1                                                                                                                  | Tetra Tech F W, Inc   M K M Engineers, Inc   New World Environmental, Inc                                            |
| 2054389 | 2/18/2005 | Workplan, removal action design & implementation, metal debris reef & metal slag areas, parcels E & E-2, draft, w/TLs, instruction sheet, & replacement pages (radiation) | Tetra Tech F W, Inc                                                                                                  |
| 2140350 | 2/22/2005 | Mtg Agenda & Notes: BRAC Cleanup Team (BCT) mtg, w/attchs                                                                                                                 | Tetra Tech, Inc                                                                                                      |
| 2054392 | 2/25/2005 | Project workplan, PCB hot spot soil excavation site, parcels E & E-2, draft, w/TL fr K Forman to M Work (radiation)                                                       | Tetra Tech F W, Inc                                                                                                  |
| 2232765 | 3/7/2005  | Email: Questions about basewide radiological workplan, w/history                                                                                                          | Michael Work / Environmental Protection Agency - Region 9<br>Steve Dean / Environmental Protection Agency - Region 9 |
| 2232718 | 4/6/2005  | Mtg Handout: Radiological program overview mtg (4/6/05), w/marginalia                                                                                                     | US Navy - Base Realignment & Closure Program Management Office                                                       |
| 2226257 | 4/13/2005 | Ltr: Concerns re project workplan, radiological time-critical removal action, IR-02 northwest & central, parcel E, dated 3/9/05, w/TL fr I Balkissoon to J Ricks          | James Ricks / Environmental Protection Agency - Region 9                                                             |
| 2232748 | 4/14/2005 | Ltr: Comments on draft removal action design & implementation workplan, metal debris reef & metal slag areas, parcels E & E-2, dated 2/05, w/TL fr J Ricks to P Brooks    | Environmental Protection Agency - Region 9                                                                           |
| 2089669 | 2/14/2006 | Draft final project workplan, base-wide storm drain & sanitary sewer removal, w/TL to J Ricks fr K Forman 2/13/06                                                         | Tetra Tech E C, Inc                                                                                                  |
| 2089668 | 2/14/2006 | Draft final parcel B design plan, storm drain & sanitary sewer removal, w/TL to J Ricks fr K Forman 2/13/06                                                               | Tetra Tech E C, Inc                                                                                                  |